1st and Final bill

Name of work: Construction of CC roads and drains at Allalasandra in ward no-04.

Work Order No: EE (Project) YNK Zone/ W.o/ 83 /2017-18 dt: 18-12-2017.

JOB NUMBER: 004-18-000007.

Estimate Cost: 50.00 lakhs

As No: BBMP / EE / Project/YNK.Z/AA/54/2017-18 dt. 9-10-2017.

Ts No : BBMP / CE/YNK.Z/TS/ 237 /2017-18 dt : 10-10-2017.

Name of Contractor : Sri K Achuta Murthy.

PRE - MEASUREMENTS

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).	Cum.							
					Measurements Recorded 26/12/17				
	levelling and lowering				AV				
	for cc road								
	from Anjeneya swamy temple to RO plant		1	30.00	(4.6+4.9)/2	0.20	28.50		
			1	15.00	(4.9+5.5)/2	0.20	15.60		
			1	9.50	(5.5+6.5)/2	0.20	11.40		
			1	30.00	(7.7+8.4)/2	0.20	48.30		
			1	2.50	(8.4+8.4)/2	0.20	4.20		
			1	18.20	(3.4+4.0)/2	0.20	13.47		
			1	9.60	(6.5+7.2)/2	0.20	13.15		
			1	4.00	(6.5+5.7)/2	0.20	4.88		
	Near Ramesh house		1	5.00	(2.3+2.3)/2	0.20	2.30		
			1	5.90	(3.0+3.0)/2	0.20	3.54		
	from Narayanaswamy to subbanna house		1	15.00	(3.3+2.9)/2	0.20	9.30		
			1	15.00	(3.6+4.2)/2	0.20	11.70		
			1	10.00	(4.2+4.2)/2	0.20	8.40		
	near Deepak house		1	18.00	(3.5+3.9)/2	0.20	13.32		
	desilting of drains								
			1	15.00	(1.5+1.6)/2	0.90	20.93		
			1	16.00	(1.6+1.5)/2	0.80	19.84		
	left side		1	30.00	(0.6+0.6)/2	0.40	7.20		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	30.00	(0.6+0.6)/2	0.60	10.80		
			1	30.00	(0.6+0.6)/2	0.40	7.20		
	right side		1	30.00	(0.6+0.6)/2	0.40	7.20		
			1	30.00	(0.6+0.6)/2	0.40	7.20		
			1	30.00	(0.6+0.6)/2	0.40	7.20		
							0.00		
							275.63		
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	cum							
	for RCC drain								
	From H Krishappa house to Ashokamma house		1	15.00	1.50	1.00	22.50		
			1	9.30	1.50	1.00	13.95		
			1	30.00	1.50	1.00	45.00		
			1	19.00	1.50	1.00	28.50		
			1	11.00	1.50	1.00	16.50		
			1	9.70	1.50	1.00	14.55		
			1	30.00	1.50	1.00	45.00		
			1	24.00	1.50	1.00	36.00		
	culvert		1	4.40	1.50	1.50	9.90		
			1	4.40	1.50	1.50	9.90		
							241.80		
11	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17	cum							
					AV				
	from Anjeneya swamy temple to RO plant		1	30.00	(4.6+4.9)/2	0.15	21.38		
			1	15.00	(4.9+5.5)/2	0.15	11.70		

Ramanjeeraj 26/12/17

Ramanjeeraj 28/12/17

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	9.50	(5.5+6.5)/2	0.15	8.55		
			1	30.00	(7.7+8.4)/2	0.15	36.23		
			1	2.50	(8.4+8.4)/2	0.15	3.15		
			1	18.20	(3.4+4.0)/2	0.15	10.10		
			1	9.60	(6.5+7.2)/2	0.15	9.86		
			1	4.00	(6.5+5.7)/2	0.15	3.66		
	Near Ramesh house		1	5.00	(2.3+2.3)/2	0.15	1.73		
			1	5.90	(3.0+3.0)/2	0.15	2.66		
	from Narayanaswamy to subbanna house		1	15.00	(3.3+2.9)/2	0.15	6.98		
			1	15.00	(3.6+4.2)/2	0.15	8.78		
			1	10.00	(4.2+4.2)/2	0.15	6.30		
	near Deepak house		1	18.00	(3.5+3.9)/2	0.15	9.99		
							141.05		
	Deduction 15% sinkage					-	**21.16**		
	Net Qty						**119.89**		
12	KSRRB M400-6.1. **Construction of granular sub-base by providing close graded material, crushed stone** aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).	cum						Ramayeeraj 1/01/18	
					AV				
	from Anjeneya swamy temple to RO plant		1	30.00	(4.6+4.9)/2	0.10	14.25		
			1	15.00	(4.9+5.5)/2	0.10	7.80		
			1	9.50	(5.5+6.5)/2	0.10	5.70		
			1	30.00	(7.7+8.4)/2	0.10	24.15		
			1	2.50	(8.4+8.4)/2	0.10	2.10		
			1	18.20	(3.4+4.0)/2	0.10	6.73		
			1	9.60	(6.5+7.2)/2	0.10	6.58		
			1	4.00	(6.5+5.7)/2	0.10	2.44		
	Near Ramesh house		1	5.00	(2.3+2.3)/2	0.10	1.15		
			1	5.90	(3.0+3.0)/2	0.10	1.77		
	from Narayanaswamy to subbanna house		1	15.00	(3.3+2.9)/2	0.10	4.65		
			1	15.00	(3.6+4.2)/2	0.10	5.85		
			1	10.00	(4.2+4.2)/2	0.10	4.20		
	near Deepak house		1	7.00	(3.5+3.9)/2	0.10	2.59		
							89.96		
							89.96		

Ramayeeraj 8/01/18

Asst. Executive Engineer 8/1/2018
Project Division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix **1:3:6 with OPC cement** @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17	**Cum**							
	for cc road								
	from Anjeneya swamy temple to RO plant		1	30.00	(4.6+4.9)/2	0.10	14.25		
			1	15.00	(4.9+5.5)/2	0.15	11.70		
			1	9.50	(5.5+6.5)/2	0.15	8.55		
			1	30.00	(7.7+8.4)/2	0.15	36.23		
			1	2.50	(8.4+8.4)/2	0.12	2.44		
			1	18.20	(3.4+4.0)/2	0.15	10.10		
			1	9.60	(6.5+7.2)/2	0.10	6.58		
			1	4.00	(6.5+5.7)/2	0.15	3.66		
	for rcc drain								
	From H Krishappa house to Ashokamma house		1	15.00	1.40	0.15	3.15		
			1	9.30	1.40	0.15	1.95		
			1	30.00	1.40	0.15	6.30		
			1	19.00	1.40	0.15	3.99		
			1	11.00	1.40	0.15	2.31		
			1	9.70	1.40	0.15	2.04		
			1	30.00	1.40	0.15	6.30		
			1	24.00	1.40	0.15	5.04		
	culvert		1	4.40	1.40	0.15	0.92		
			1	4.40	1.40	0.15	0.92		
							126.43		

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13/01/18

Asst. Executive Engineer 13/01/2018
Project Division
Yelahanka Zone
Bangalore

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Quintal							
	for RCC drain								
	12mm dia U shap bar at 200mm c/c								
	Length =24.30 Mtr = 122+1 = 123 Nos								
	Each u shape bar length = 3.50mtr	12mm dia	123	3.50				430.50	
		12mm dia	122	3.50				427.00	
	10mm dia Distrubution bar at 125 mm c/c								
		10mm dia	29	24.25				703.25	
		10mm dia	28	24.25				679.00	
	12mm dia U shap bar at 200mm c/c								
	Length = 69.70 Mtr = 349+1 = 350 Nos								
	Each u shape bar length = 3.50mtr	12mm dia	280	3.50				980.00	
		12mm dia	260	3.50				910.00	
	10mm dia Distrubution bar at 125 mm c/c								
		10mm dia	29	69.65				2019.85	
		10mm dia	28	69.65				1950.20	
	12mm dia U shap bar at 200mm c/c								
	Length = 54 Mtr = 270+1 = 271 Nos								
	Each u shape bar length = 3.50mtr	12mm dia	271	3.50				948.50	
		12mm dia	270	3.50				945.00	
	10mm dia Distrubution bar at 125 mm c/c								
		10mm dia	29	53.95				1564.55	
		10mm dia	28	53.95				1510.60	

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	for culvert								
	12mm dia U shap bar at 200mm c/c								
	Length =4.40 Mtr = 22+1 = 23 Nos								
	Each u shape bar length = 2.90 mtr	12mm dia	23	3.00			69.00		
		12mm dia	22	3.00			66.00		
	10mm dia Distrubution bar at 125 mm c/c								
		10mm dia	29	4.35			126.15		
		10mm dia	20	4.35			87.00		
	12mm dia U shap bar at 200mm c/c								
	Length =4.40 Mtr = 22+1 = 23 Nos								
	Each u shape bar length = 2.90 mtr	12mm dia	23	3.00			69.00		
		12mm dia	22	3.00			66.00		
	10mm dia Distrubution bar at 125 mm c/c								
		10mm dia	29	4.35			126.15		
		10mm dia	20	4.35			87.00		
	cast in citu main								
	12mm dia ~~U shap~~ bar at 300mm c/c								
	Length = 31.00Mtr = 104+1 = 105 Nos main								
	Each ~~u shape~~ bar length = 2.80 mt	12mm dia	105	2.80			294.00		
		12mm dia	104	2.90			301.60		
	10mm dia Distrubution bar at 125 mm c/c								
		10mm dia	16	30.95			495.20		
		10mm dia	8	30.95			247.60		
	ABSTRACT								
	12mm dia bar	5506.60	0.888	4889.86					
	10mm dia bar	9596.55	0.617	5921.07					
	8mm dia bar	0.00	0.395	0.00					
				10810.93					
							10810.93		
				Qtl			108.109		

Ramanjeenes
18/01/18

Asst. Executive Engineer
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Bangalore
18/1/2018